



**Water Monitoring Result at M5B - Central Cooling Water Intake Group  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		Turbidity			Suspended Solids		
					°C			-			ppt			%			mg/L		NTU			mg/L		
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
1/8/16	-	Strong Wind Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/8/16	19:35	Cloudy	Middle	3.5	25.40	25.40	25.43	7.79	7.79	7.80	30.30	30.30	30.30	65.3	65.7	65.6	4.50	4.53	<u>4.53</u>	6.30	6.19	6.21	7	6.50
	19:36		Middle	3.5	25.50	25.40		7.81	7.81		30.30	30.30		65.8	65.7		4.54	4.53		6.24	6.11		6	
5/8/16	23:15	Fine	Middle	3.5	25.80	25.80	25.85	7.81	7.81	7.81	31.99	31.99	31.99	75.0	75.9	75.9	5.10	5.15	5.15	5.69	5.57	5.69	6	5.00
	23:16		Middle	3.5	25.90	25.90		7.81	7.81		31.99	31.99		76.3	76.2		5.18	5.17		5.71	5.80		4	
8/8/16	9:42	Fine	Middle	3.5	26.70	26.70	26.75	8.18	8.18	8.18	31.13	31.13	31.12	66.6	68.3	67.5	4.47	4.59	<u>4.54</u>	4.71	4.72	4.71	6	6.00
	9:44		Middle	3.5	26.80	26.80		8.17	8.17		31.10	31.10		67.9	67.2		4.58	4.52		4.71	4.70		6	
10/8/16	23:23	Cloudy	Middle	3.0	26.00	26.00	26.05	7.74	7.74	7.76	30.98	30.98	30.99	72.0	71.9	71.2	4.89	4.89	4.84	2.23	2.20	2.23	5	5.00
	23:24		Middle	3.0	26.10	26.10		7.77	7.77		30.99	31.00		70.6	70.3		4.80	4.78		2.18	2.32		5	
13/8/16	3:10	Cloudy	Middle	3.5	26.50	26.50	26.50	7.70	7.70	7.71	30.87	30.87	30.87	74.1	74.2	74.0	5.01	5.01	5.00	2.48	2.45	2.40	3	3.50
	3:11		Middle	3.5	26.50	26.50		7.72	7.72		30.87	30.87		74.0	73.8		5.00	4.99		2.35	2.32		4	
15/8/16	16:15	Cloudy	Middle	3.5	26.20	26.20	26.25	8.22	8.22	8.24	30.80	30.80	30.80	84.3	84.0	83.4	5.73	5.71	5.67	4.13	4.00	4.07	8	7.50
	16:17		Middle	3.5	26.30	26.30		8.25	8.25		30.79	30.79		82.7	82.5		5.62	5.61		4.10	4.05		7	
17/8/16	19:25	Cloudy	Middle	3.0	26.10	26.10	26.15	7.90	7.90	7.91	31.22	31.22	31.22	83.1	83.8	83.2	5.63	5.68	5.64	11.86	11.78	11.65	9	8.50
	19:26		Middle	3.0	26.20	26.20		7.92	7.92		31.23	31.22		83.5	82.4		5.66	5.58		11.56	11.39		8	
19/8/16	20:05	Cloudy	Middle	3.0	26.90	26.90	26.93	7.82	7.82	7.82	30.30	30.30	30.30	70.0	70.7	70.8	4.71	4.75	4.76	7.56	7.53	7.56	9	8.50
	20:06		Middle	3.0	27.00	26.90		7.82	7.82		30.30	30.30		71.3	71.2		4.79	4.79		7.55	7.59		8	
22/8/16	8:34	Fine	Middle	3.5	27.10	27.10	27.05	8.18	8.18	8.18	29.69	29.69	29.74	65.0	63.9	63.9	4.38	4.32	<u>4.32</u>	6.05	6.04	5.99	7	7.00
	8:36		Middle	3.5	27.00	27.00		8.18	8.18		29.78	29.78		63.7	63.1		4.30	4.26		5.94	5.93		7	
24/8/16	10:30	Fine	Middle	3.5	27.60	27.60	27.55	7.71	7.71	7.73	30.34	30.34	30.32	74.6	73.5	72.7	4.97	4.90	4.84	9.04	9.04	8.99	7	8.00
	10:32		Middle	3.5	27.50	27.50		7.74	7.74		30.29	30.29		72.0	70.5		4.80	4.69		9.03	8.83		9	
26/8/16	11:40	Sunny	Middle	3.0	28.90	28.90	29.00	7.86	7.78	7.86	29.21	29.21	29.21	98.8	96.8	98.4	6.47	6.33	6.44	3.10	3.13	3.07	5	5.00
	11:42		Middle	3.0	29.10	29.10		7.89	7.89		29.21	29.21		98.6	99.3		6.45	6.49		3.02	3.01		5	
29/8/16	16:15	Cloudy	Middle	3.5	26.90	26.90	26.95	7.89	7.89	7.90	30.91	30.91	30.92	81.7	82.0	80.9	5.48	5.50	5.43	8.65	8.82	8.79	10	11.00
	16:17		Middle	3.5	27.00	27.00		7.90	7.90		30.93	30.93		80.8	79.2		5.42	5.31		8.83	8.85		12	
31/8/16	16:30	Fine	Middle	3.5	27.60	27.60	27.65	7.84	7.84	7.85	30.65	30.65	30.65	98.1	98.1	98.0	6.51	6.51	6.51	11.00	10.95	10.94	6	6.00
	16:32		Middle	3.5	27.70	27.70		7.85	7.86		30.65	30.65		97.9	98.0		6.50	6.50		10.93	10.87		6	

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		Turbidity			Suspended Solids		
					°C			-			ppt			%			mg/L		NTU			mg/L		
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
1/8/16	-	Strong Wind Signal No. 3	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/8/16	19:42	Cloudy	Middle	3.0	25.60	25.60	25.60	7.87	7.87	7.87	25.16	25.17	25.17	61.1	62.0	62.9	4.32	4.36	4.44	10.35	10.36	10.28	8	8.50
	19:43		Middle	3.0	25.60	25.60		7.89	7.85		25.17	25.17		64.4	63.9		4.56	4.52		10.29	10.10		9	
5/8/16	23:30	Fine	Middle	3.0	26.10	26.10	26.20	7.83	7.83	7.83	29.44	29.44	29.44	79.1	79.3	80.1	5.41	5.48	5.48	7.34	7.20	7.31	7	6.00
	23:31		Middle	3.0	26.30	26.30		7.83	7.83		29.44	29.44		80.9	80.9		5.51	5.53		7.44	7.24		5	
8/8/16	9:38	Fine	Middle	3.5	27.70	27.70	27.70	8.23	8.23	8.22	29.28	29.28	25.30	60.4	60.6	60.3	4.04	4.05	4.03	5.82	5.82	5.70	6	6.50
	9:40		Middle	3.5	27.70	27.70		8.20	8.20		21.32	21.32		60.2	59.8		4.03	4.00		5.59	5.58		7	
10/8/16	23:30	Cloudy	Middle	2.5	26.20	26.20	26.20	7.91	7.91	7.88	23.83	23.83	23.80	60.5	62.1	62.2	4.28	4.39	4.40	3.16	3.09	3.13	3	3.00
	23:31		Middle	2.5	26.20	26.20		7.85	7.85		23.77	23.77		63.8	62.2		4.51	4.40		3.15	3.13		3	
13/8/16	3:16	Cloudy	Middle	3.0	26.50	26.50	26.50	7.83	7.83	7.82	24.86	24.86	24.86	61.2	60.8	61.2	4.28	4.25	4.28	2.96	2.90	3.01	4	4.00
	3:17		Middle	3.0	26.50	26.50		7.80	7.80		24.86	24.86		61.8	61.1		4.32	4.28		3.09	3.10		4	
15/8/16	16:10	Cloudy	Middle	3.5	26.50	26.50	26.60	8.20	8.20	8.21	29.80	29.80	29.80	78.3	78.2	77.9	5.31	5.30	5.28	6.85	6.94	6.88	5	5.50
	16:12		Middle	3.5	26.70	26.70		8.22	8.22		29.79	29.79		78.1	76.9		5.30	5.21		6.86	6.87		6	
17/8/16	19:33	Cloudy	Middle	2.5	26.20	26.20	26.20	8.40	8.41	8.39	10.78	10.78	10.78	65.2	64.8	64.4	4.96	4.93	4.90	80.72	80.62	80.07	129	223.50
	19:34		Middle	2.5	26.20	26.20		8.38	8.37		10.78	10.78		63.5	64.2		4.83	4.88		79.81	79.11		318	
19/8/16	20:15	Cloudy	Middle	2.5	26.70	26.70	26.75	8.02	8.02	8.01	19.79	19.79	19.79	76.1	76.9	76.0	5.44	5.50	5.43	20.18	20.10	19.92	8	7.50
	20:16		Middle	2.5	26.80	26.80		8.00	8.00		19.79	19.79		76.1	74.9		5.44	5.35		19.75	19.65		7	
22/8/16	8:30	Fine	Middle	3.5	27.10	27.10	27.15	8.18	8.18	8.18	29.57	29.57	29.56	57.5	56.8	56.9	3.87	3.82	3.83	6.63	6.63	6.66	6	6.50
	8:32		Middle	3.5	27.20	27.20		8.18	8.18		29.54	29.54		56.5	56.6		3.80	3.81		6.69	6.68		7	
24/8/16	10:26	Fine	Middle	3.5	27.80	27.80	27.90	7.62	7.62	7.65	29.98	29.98	29.94	74.0	72.2	72.3	4.91	4.79	4.80	7.13	7.12	7.18	6	5.50
	10:28		Middle	3.5	28.00	28.00		7.68	7.68		29.89	29.89		71.7	71.4		4.76	4.73		7.22	7.23		5	
26/8/16	11:35	Sunny	Middle	3.0	29.20	29.20	29.40	7.82	7.82	7.83	28.07	28.07	28.06	97.0	97.0	96.0	6.35	6.35	6.28	4.68	4.51	4.56	6	6.00
	11:37		Middle	3.0	29.60	29.60		7.84	7.84		28.05	28.05		94.7	95.1		6.19	6.21		4.51	4.53		6	
29/8/16	16:11	Cloudy	Middle	3.5	27.10	27.10	27.05	7.85	7.85	7.87	30.55	30.55	30.54	76.9	76.2	76.0	5.16	5.12	5.10	7.57	7.47	7.46	11	10.50
	16:13		Middle	3.5	27.00	27.00		7.88	7.88		30.52	30.52		75.5	75.4		5.07	5.06		7.45	7.33		10	
31/8/16	16:25	Fine	Middle	3.5	28.10	28.10	28.15	7.57	7.57	7.71	29.60	29.60	29.61	80.4	80.8	80.7	5.32	5.35	5.34	10.23	10.18	10.24	5	5.50
	16:27		Middle	3.5	28.20	28.20		7.85	7.85		29.61	29.61		80.6	81.1		5.33	5.36		10.27	10.28		6	



**Water Monitoring Result at M5B - Central Colling Water Intake Group  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
1/8/16	10:25	Cloudy	Middle	3.5	26.40	26.40	26.60	8.24	8.24	8.25	31.41	31.41	31.41	83.2	85.2	83.4	5.31	5.74	5.41	3.81	3.73	3.74	4	4.00
	10:27		Middle	3.5	26.80	26.80		8.26	8.26		31.40	31.40		81.2	83.8		5.23	5.34		3.71	3.69		4	
3/8/16	14:35	Cloudy	Middle	4.0	25.70	25.70	25.75	8.16	8.16	8.16	30.39	30.39	30.39	82.8	83.2	82.9	5.68	5.71	5.69	5.47	5.31	5.31	6	6.00
	14:37		Middle	4.0	25.80	25.80		8.16	8.16		30.38	30.38		82.2	83.3		5.64	5.71		5.22	5.22		6	
5/8/16	11:25	Fine	Middle	3.5	26.20	26.20	26.30	8.13	8.13	8.13	31.65	31.65	31.65	82.0	81.1	81.8	5.54	5.48	5.52	4.58	4.55	4.58	4	3.50
	11:27		Middle	3.5	26.40	26.40		8.12	8.12		31.65	31.65		82.1	81.8		5.54	5.52		4.55	4.63		3	
8/8/16	14:43	Fine	Middle	3.5	28.20	28.20	28.30	8.11	8.11	8.11	31.50	31.50	31.25	73.5	74.1	72.3	4.82	4.86	4.73	3.60	3.58	3.52	6	6.00
	14:45		Middle	3.5	28.40	28.40		8.11	8.11		31.00	31.00		71.4	70.2		4.67	4.58		3.45	3.45		6	
11/8/16	6:30	Cloudy	Middle	3.5	26.80	26.80	26.80	7.69	7.69	7.66	30.70	30.70	30.71	81.1	81.9	81.2	5.55	5.51	5.47	2.02	2.11	2.05	4	4.00
	6:31		Middle	3.5	26.80	26.80		7.62	7.62		30.71	30.71		79.9	81.7		5.33	5.47		2.00	2.05		4	
13/8/16	7:55	Fine	Middle	3.5	26.20	26.20	26.25	8.13	8.13	8.14	30.61	30.61	30.61	81.9	84.8	83.8	5.57	5.76	5.70	3.89	3.88	3.87	3	3.00
	7:57		Middle	3.5	26.30	26.30		8.14	8.14		30.61	30.61		84.3	84.3		5.73	5.72		3.89	3.80		3	
15/8/16	10:10	Fine	Middle	3.5	26.20	26.20	26.25	8.26	8.26	8.26	31.28	31.28	31.28	86.0	87.1	86.6	5.83	5.90	5.87	1.98	2.03	2.03	3	3.50
	10:12		Middle	3.5	26.30	26.30		8.26	8.26		31.27	31.28		87.9	85.5		5.95	5.79		2.05	2.04		4	
17/8/16	10:15	Fine	Middle	3.5	26.30	26.30	26.35	8.27	8.27	8.30	31.29	31.29	31.29	88.1	87.8	87.3	5.96	5.93	5.90	4.90	4.83	4.83	5	5.00
	10:17		Middle	3.5	26.40	26.40		8.32	8.32		31.28	31.28		87.4	85.8		5.91	5.80		4.79	4.78		5	
19/8/16	10:30	Cloudy	Middle	4.0	27.00	27.00	27.05	8.30	8.30	8.31	30.37	30.37	30.37	84.7	86.2	85.9	5.69	5.79	6.02	6.28	6.26	6.25	8	8.50
	10:32		Middle	4.0	27.10	27.10		8.32	8.32		30.37	30.37		86.1	86.4		5.78	6.80		6.24	6.23		9	
22/8/16	14:35	Fine	Middle	3.5	28.50	28.50	28.60	8.16	8.16	8.17	29.72	29.72	29.72	82.7	82.4	81.8	5.44	5.42	5.38	3.84	3.90	3.90	3	3.00
	14:37		Middle	3.5	28.70	28.70		8.17	8.17		29.71	29.71		81.6	80.4		5.36	5.30		3.93	3.94		3	
24/8/16	15:30	Fine	Middle	4.0	28.70	28.70	28.85	7.77	7.77	7.79	30.23	30.23	30.23	103.2	102.6	102.3	6.73	6.68	6.67	2.06	2.05	2.06	4	5.00
	15:32		Middle	4.0	29.00	29.00		7.80	7.80		30.23	30.23		101.8	101.7		6.63	6.62		2.05	2.06		6	
26/8/16	7:34	Fine	Middle	3.5	28.20	28.20	28.25	7.82	7.82	7.84	28.67	28.67	28.67	98.6	99.4	98.5	6.55	6.60	6.51	3.35	3.48	3.45	4	4.50
	7:36		Middle	3.5	28.30	28.30		7.85	7.85		28.67	28.67		98.8	97.2		6.43	6.45		3.49	3.49		5	
29/8/16	10:12	Cloudy	Middle	3.5	27.10	27.10	27.10	7.87	7.87	7.89	30.99	30.99	31.00	85.1	83.5	83.1	5.69	5.58	5.56	5.68	5.61	5.61	4	4.00
	10:14		Middle	3.5	27.10	27.10		7.90	7.90		31.00	31.00		82.0	81.7		5.48	5.47		5.57	5.56		4	
31/8/16	10:25	Fine	Middle	4.0	27.70	27.70	27.70	7.85	7.85	7.87	31.10	31.10	31.10	95.3	96.6	96.1	6.31	6.39	6.36	6.50	6.38	6.39	11	12.00
	10:27		Middle	4.0	27.70	27.70		7.88	7.88		31.10	31.10		96.3	96.2		6.37	6.36		6.35	6.32		13	

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.

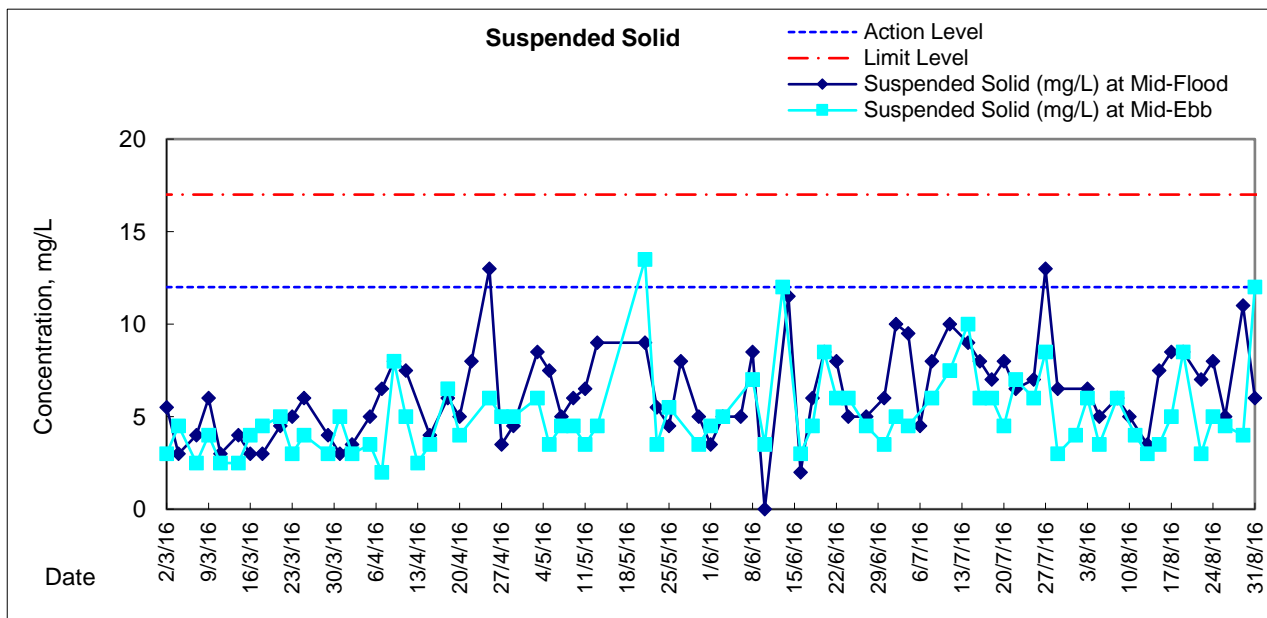
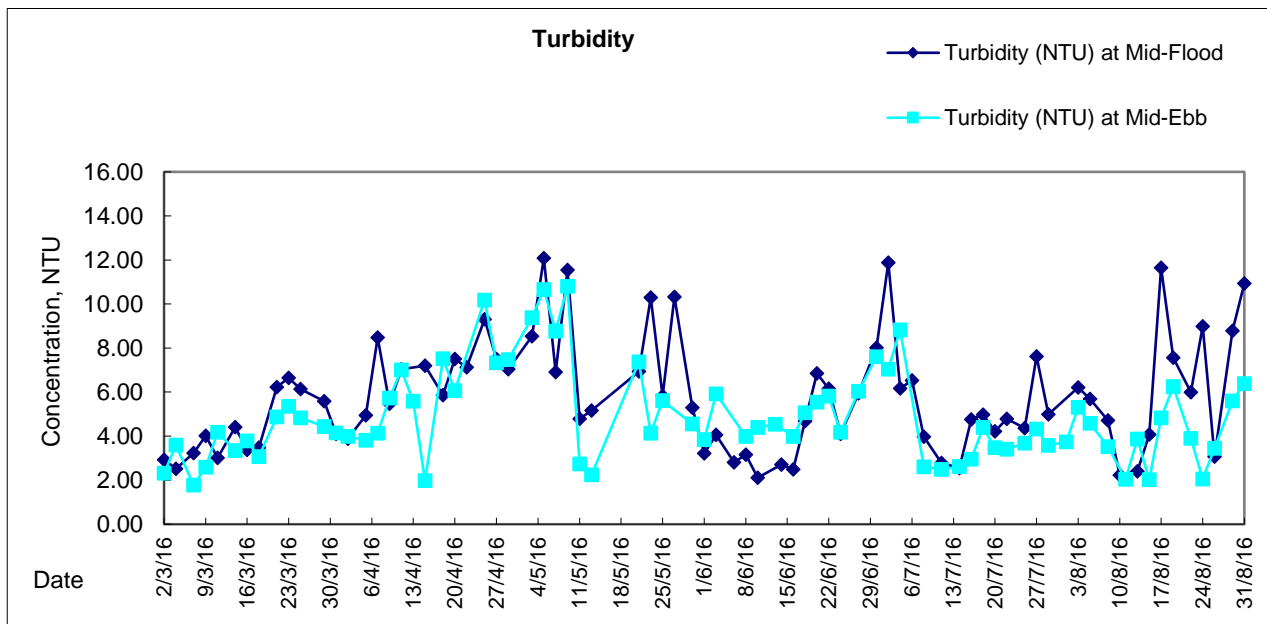
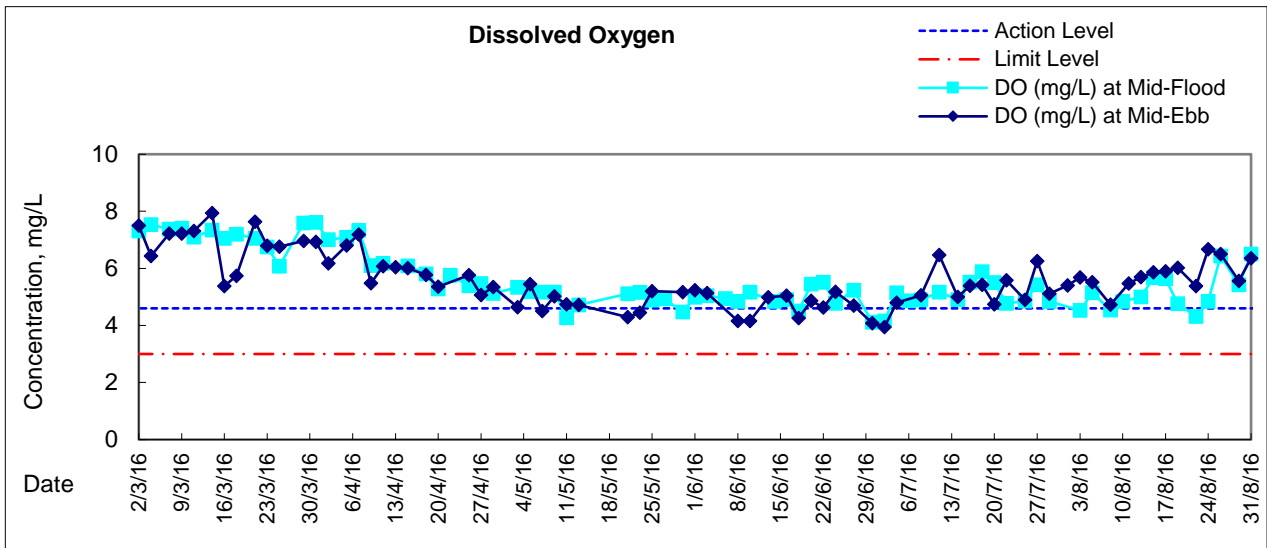


**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
1/8/16	10:20	Cloudy	Middle	4	27.30	27.30	27.40	8.24	8.24	8.23	30.50	30.50	30.49	79.0	79.2	78.6	5.27	5.28	5.24	3.97	3.99	4.05	4	3.50
	10:22		Middle	4	27.50	27.50		8.21	8.21		30.48	30.48		78.2	78.1		5.20	5.19		4.13	4.11		3	
3/8/16	14:30	Cloudy	Middle	4	25.80	25.80	25.85	8.15	8.15	8.16	29.31	29.31	29.31	76.4	76.3	75.7	5.27	5.26	5.22	6.49	6.90	6.76	7	6.50
	14:32		Middle	4	25.90	25.90		8.16	8.16		29.31	29.31		74.7	75.3		5.15	5.19		6.93	6.70		6	
5/8/16	11:20	Fine	Middle	4	26.70	26.70	26.85	8.12	8.12	8.12	31.55	31.55	31.55	70.7	70.2	70.1	4.73	4.69	4.68	4.79	4.87	4.83	<2	<2
	11:22		Middle	4	27.00	27.00		8.12	8.12		31.54	31.54		69.7	69.6		4.66	4.65		4.88	4.79		<2	
8/8/16	14:39	Fine	Middle	4	28.80	28.80	29.00	8.10	8.10	8.10	31.15	31.15	31.09	64.1	66.1	64.6	4.18	4.28	4.19	4.11	4.18	4.12	3	3.50
	14:41		Middle	4	29.20	29.20		8.10	8.10		31.03	31.03		65.0	63.3		4.21	4.10		4.14	4.04		4	
11/8/16	6:39	Cloudy	Middle	3	25.90	25.90	26.40	7.64	7.64	7.57	25.73	25.73	25.74	77.1	77.2	76.7	5.33	5.32	5.30	2.35	2.30	2.27	<2	<2
	6:40		Middle	3	26.90	26.90		7.50	7.50		25.74	25.74		76.4	76.0		5.28	5.25		2.22	2.20		<2	
13/8/16	7:50	Fine	Middle	4	26.50	26.50	26.55	8.14	8.14	8.14	29.71	29.71	29.71	80.8	80.3	80.1	5.50	5.46	5.45	3.90	3.90	3.91	3	3.00
	7:52		Middle	4	26.60	26.60		8.14	8.14		29.70	29.70		80.1	79.2		5.44	5.38		3.91	3.93		3	
15/8/16	10:05	Fine	Middle	4	26.50	26.50	26.60	8.25	8.25	8.25	30.42	30.42	30.42	79.4	78.9	78.3	5.37	5.34	5.30	2.36	2.42	2.32	5	5.50
	10:07		Middle	4	26.70	26.70		8.25	8.25		30.42	30.42		77.1	77.9		5.21	5.26		2.25	2.24		6	
17/8/16	10:20	Fine	Middle	4	26.10	26.10	26.15	8.34	8.34	8.35	30.59	30.59	30.59	81.2	81.4	81.7	5.53	5.54	5.56	6.82	6.98	6.63	8	7.50
	10:22		Middle	4	26.20	26.20		8.35	8.35		30.59	30.59		82.1	81.9		5.59	5.58		6.38	6.32		7	
19/8/16	10:25	Cloudy	Middle	4	27.20	27.20	27.30	8.23	8.23	8.26	29.11	29.11	29.11	77.8	77.2	77.0	5.24	5.20	5.19	6.74	6.73	6.74	9	8.50
	10:27		Middle	4	27.40	27.40		8.28	8.28		29.11	29.11		76.6	76.5		5.16	5.15		6.73	6.74		8	
22/8/16	14:30	Fine	Middle	4	28.40	28.40	28.50	8.13	8.13	8.14	29.64	29.64	29.64	79.2	80.1	79.2	5.21	5.27	5.21	3.58	3.67	3.67	3	3.00
	14:32		Middle	4	28.60	28.60		8.15	8.15		29.64	29.64		79.0	78.3		5.20	5.14		3.70	3.71		3	
24/8/16	15:35	Fine	Middle	4	28.50	28.50	28.40	7.84	7.84	7.83	27.91	27.91	27.91	87.8	87.7	87.7	5.83	5.82	5.82	4.92	4.95	4.95	4	4.50
	15:37		Middle	4	28.30	28.30		7.82	7.82		27.91	27.91		87.7	87.4		5.82	5.80		4.97	4.95		5	
26/8/16	7:30	Fine	Middle	4	28.30	28.30	28.35	7.84	7.84	7.84	27.49	27.49	27.49	79.7	80.4	80.0	5.33	5.37	5.35	3.57	3.54	3.55	<2	2.00
	7:32		Middle	4	28.40	28.40		7.83	7.83		27.48	27.48		80.3	79.6		5.37	5.32		3.52	3.57		2	
29/8/16	10:08	Cloudy	Middle	4	27.30	27.30	27.30	7.86	7.86	7.87	29.39	29.39	29.39	75.2	75.1	74.9	5.06	5.05	5.04	3.95	3.95	3.95	5	5.00
	10:10		Middle	4	27.30	27.30		7.88	7.88		29.38	29.38		75.1	74.3		5.05	5.00		3.95	3.95		5	
31/8/16	10:20	Fine	Middle	4	28.00	28.00	28.05	7.83	7.83	7.84	29.41	29.41	29.41	82.2	82.8	82.3	5.46	5.50	5.47	6.63	6.63	6.63	16	16.50
	10:22		Middle	4	28.10	28.10		7.85	7.85		29.41	29.41		81.5	82.5		5.42	5.48		6.61	6.63		17	



# Graphic Presentation of Water Quality Result of M5B - Central Cooling Water Intake Groups





### Graphic Presentation of Water Quality Result of Culvert J - Reference Station

